



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
EDISON, NEW JERSEY 08837

2 2

0894  
36589

10/24/86

MEMORANDUM

SUBJECT: SAAD waste oil data

FROM: George R. Prince, Environmental Scientist  
Environmental Response Team

TO: Carol Walsh, On Scene Coordinator  
EPA Region IV

Enclosed is the complete analytical data package for our sampling effort conducted at the SAAD Site. The data has been through QA/QC review and can be considered final. As these two volumes may be difficult to sift through, I am compiling summary spread sheets to display the data in a more usable form.

The SAAD well, as expected, contained significant quantities of oil/diesel fuel. More importantly, the well had high levels of PCB's and a variety of other more soluble chlorinated solvents. The chlorinated solvents can be expected to be contaminating groundwater.

The analytical data did not show any notable contamination in samples collected from the springs, other surface waters, or wells. This was somewhat unexpected as visual observations and odors present during sampling indicated contamination of the holding lagoon and well at CSX, the Croft spring, and well 3. Additional sampling, using field analytical equipment, may be necessary to confirm or refute these results. Some sediment sampling may also be necessary.

The evidence shows that groundwater is contaminated at SAAD and a potentially recoverable source load of waste oil is present on the surface of the groundwater. To determine how recoverable this oil is, requires one to three, shallow test/recovery wells be drilled in the disposal area. We are developing a conceptual design for this system and recovery test. When new Superfund monies are available we can proceed with the drilling and recovery test. Additional studies to define the groundwater flow system may also be conducted when monies become available.

If you have any questions or comments on the data package, please give me a call.

Enclosures